207

MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

OCTOBER, 1937

J. A. BROWN, DIRECTOR

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OCTOBER 1937

METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	64.7	58.6	60.1	61.1	30.3	23.4	26.0	29.3	24.5	26.6
2	59.1	60.1	59.8	59.7	29.7	22.2	24.5	29.8	24.1	26.1
3	9.4	58.1	8.4	8.6	29.7	21.2	27.2	29.3	25.4	27.3
4	8.0	8.1	8.8	8.3	29.7	20.3	24.0	29.2	23.8	25.7
5	60.0	9.8	60.6	60.1	29.4	21.7	25.8	28.8	23.3	26.6
6	60.9	60.2	60.6	60.6	29.3	22.2	26.6	28.6	23.7	26.3
7	1.1	0.6	1.4	1.0	29.2	23.4	26.9	28.3	25.9	27.0
8	2.2	0.9	0.5	1.2	30.3	25.7	28.9	29.6	27.7	28.7
9	0.0	59.4	58.9	59.4	35.8	27.3	34.9	32.9	27.7	31.8
10	57.4	7.7	7.7	7.6	38.1	24.8	35.8	33.1	28.8	32.6
11	59.1	58.1	59.2	58.8	31.1	22.4	28.8	30.1	24.7	27.9
12	61.2	60.9	61.8	61.3	30.1	22.2	26.6	29.6	23.5	26.6
13	2.3	0.8	0.8	1.3	28.8	21.3	27.2	27.2	24.8	26.4
14	59.5	58.0	58.4	58.6	29.4	23.5	25.9	28.8	24.8	26.5
15	6.8	6.6	7.2	6.9	29.5	17.0	26.9	28.6	23.7	26.4
16	58.5	59.2	61.1	59.6	23.7	17.4	17.6	20.3	20.4	19.4
17	63.5	61.2	1.1	61.9	24.9	21.1	23.2	24.2	21.8	23.1
18	2.6	3.2	5.5	3.8	28.6	20.4	25.8	28.2	23.7	25.9
19	4.8	2.0	1.4	2.7	27.5	23.5	25.4	26.4	25.3	25.7
20	0.8	0.4	0.6	0.6	28.4	19.1	26.2	26.2	22.7	25.0
21	61.0	60.2	59.9	60.4	23.9	17.2	21.3	21.1	20.4	20.9
22	59.9	59.1	60.0	59.7	24.1	19.7	23.1	21.3	20.9	21.8
23	61.2	60.8	2.4	61.5	23.0	18.2	22.7	19.7	19.1	20.5
24	3.6	3.0	3.6	3.4	24.6	18.9	22.2	23.2	20.8	22.1
25	2.9	1.4	1.7	2.0	25.4	19.6	23.1	24.8	22.7	23.5
26	62.2	60.9	62.9	62.0	26.1	22.1	23.7	24.2	23.3	23.9
27	0.0	59.2	58.5	58.2	28.1	21.8	27.2	26.9	22.4	25.5
28	59.0	8.0	7.3	8.1	26.1	18.1	23.6	25.3	22.4	23.8
29	8.5	7.3	8.2	8.0	25.0	16.8	20.7	22.0	18.8	20.5
30	9.4	9.3	60.8	9.8	22.8	17.8	18.9	21.5	18.4	19.6
31	60.3	8.6	57.8	8.9	23.3	15.3	22.4	22.4	17.2	20.7
	760.64	759.73	760.23	760.16	27.93	20.86	25.26	26 48	23.24	24.98

Barometer, range for month 756.6 mm.—765.5 mm.

„ 50-yr. average for month 761.473 mm.

Thermometer, range for month 15.3° C.—38.1° C.

„ 50-yr. average for month 24.48° C.

Rain, total for month 200.62 mm.

„ , 50-yr. average for month 52.58 mm.

„ , total, Sept. 1st to end of month 200.62 mm.

„ 50-yr. average, Sept. 1st to end of month 59.95 mm.

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METEOROLOGICAL REGISTER

Date	Wet Bulb Cent.			Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Rain mm.
	8:30	14:30	20:30	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		
1	20.4	22.5	21.0	13.4	15.5	15.9	14.9	54	52	70	59	9.2	
2	20.1	22.8	21.0	14.3	15.7	16.2	15.4	63	50	72	62	8.9	
3	22.4	23.1	21.7	16.5	16.4	16.4	16.4	61	54	68	61	8.2	trace
4	21.4	22.1	20.7	16.9	14.9	15.8	15.9	76	49	71	65	6.7	2.540
5	21.8	22.7	21.1	16.4	16.0	16.8	16.4	66	54	79	66	9.5	3.683
6	21.4	23.1	21.1	15.3	16.9	16.5	16.2	58	58	76	64	9.5	
7	21.8	23.3	22.5	15.6	17.3	17.6	16.8	58	61	71	63	9.3	
8	23.3	25.4	22.2	17.0	20.5	15.8	17.8	57	66	58	60	9.2	
9	20.5	23.8	19.7	16.1	15.5	12.1	14.6	32	42	43	39	9.1	
10	21.3	24.9	24.3	17.3	17.3	19.0	17.9	40	46	64	50	8.3	
11	22.5	23.7	22.4	15.7	17.0	18.3	17.0	53	53	79	62	8.0	
12	22.0	23.5	20.8	16.2	17.0	16.3	16.5	62	55	76	64	9.0	
13	22.2	22.5	20.9	16.1	16.6	15.6	16.1	60	61	68	63	7.8	
14	20.4	23.6	21.5	14.1	17.6	16.6	16.1	56	59	72	62	10.1	
15	22.0	22.7	20.4	16.0	16.2	15.4	15.9	59	55	70	61	6.7	
16	17.6	19.0	17.9	14.7	15.4	13.4	14.5	96	87	75	86	2.9	79.755
17	18.9	18.3	18.2	13.4	12.0	13.1	12.8	63	53	68	61	10.6	
18	20.1	21.5	18.3	13.7	14.5	12.4	13.5	55	51	56	54	10.6	
19	21.5	22.2	22.5	15.8	16.6	18.0	16.8	62	65	75	68	9.2	
20	21.4	21.5	19.4	15.6	15.6	14.5	15.2	61	62	71	65	9.7	
21	18.2	18.4	17.3	14.3	13.9	12.6	13.2	70	74	70	71	3.3	2.362
22	18.9	19.4	18.5	13.4	15.3	14.1	14.3	64	81	76	74	3.4	6.223
23	19.3	18.3	17.5	14.3	14.7	13.8	14.3	71	85	84	80	3.7	21.082
24	18.8	19.3	18.4	13.9	14.0	14.0	14.0	69	66	77	71	8.9	
25	19.5	20.7	19.8	14.4	15.1	15.8	15.1	68	65	74	69	10.4	
26	20.8	20.6	20.8	16.1	15.3	16.1	15.8	74	68	74	72	7.4	
27	21.4	22.3	19.8	14.8	16.4	15.2	15.5	55	61	75	64	9.5	
28	20.8	21.4	19.6	16.2	16.1	14.8	15.7	75	67	73	72	7.6	trace
29	18.1	18.1	18.3	13.5	12.9	15.2	13.9	75	66	94	78	0.0	14.605
30	18.1	18.7	17.8	14.8	14.1	14.8	14.6	90	74	94	86	7.1	19.050
31	19.4	19.1	15.6	13.9	14.1	12.1	13.4	64	70	84	73	5.2	52.320
				15.12	15.69	15.30	15.37	63.5	61.6	72.8	66.0	7.71	6.472

Height of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G. C. T.
50-year averages are for period, 1875-1924

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METEOROLOGICAL REGISTER

	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Wind per day	Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Kms.		
1	1cu	0	0	0.3	2n	3n	3s	338.8	slight	haze on sea a.m.
2	0	3cu	0	1.0	2n	3nw	1n	262.4	calm	
3	3cu	6cicu	7nicu	5.3	3sw	3sw	2sw	306.4	slight	
4	10nicu	6scu	0	5.3	2se	2sw	2se	261.3	„	lightning p.m.
5	7cu	3cu	0	3.3	1s	2nw	2n	225.6	„	
6	0	1cu	0	0.3	2ne	3n	2ne	193.0	„	
7	0	0	0	0.0	2n	4n	ne		rough	
8	0	0	0	0.0	n	n	n		mod.	
9	0	10ci	4ci	4.7	e	ne	ne		slight	sirocco
10	0	10ci	4ci	4.7	se	sw	sw		calm	sirocco
11	9cu	3cicu	6cu	6.0	2w	2w	1w	202.5	slight	
12	3cicu	7ci	6cu	5.3	2s	2w	1w	202.0	„	
13	5ci	10stcu	0	5.0	2n	3n	4n	422.4	mod.	
14	0	5ci	6cu	3.7	4s	3sw	3sw	424.8	calm	cont. ltg. at night
15	4cu	8nicu	10cu	7.3	4w	4s	2s	499.0	mod.	„ „ & th. night
16	10ni	9cu	6cu	8.3	4s	2s	2s	271.0	rough	gale a.m.
17	0	0	0	0.0	2e	4ne	2ne	435.2	mod.	
18	3ci	1cu	0	1.3	2s	2sw	2sw	194.0	calm	mist a.m.
19	3ci	2ci	10cu	5.0	3n	4n	4n	530.8	mod.	
20	10ci	9cicu	7cu	8.7	4n	3n	2n	386.0	rough	„ „ night
21	10nicu	10cu	10nicu	10.0	3s	2s	3s	308.4	mod.	cont. light & th. at
22	8cu	10ni	8stcu	8.7	3s	1w	2s	200.8	„	
23	10cu	6nicu	0	5.3	3s	2e	1e	204.4	slight	
24	6cicu	8cicu	0	4.7	1se	1n	2ne	180.8	calm	
25	1cu	0	0	0.3	2n	3n	3n	255.2	mod.	
26	0	9cicu	0	3.0	2s	2n	3n	316.2	slight	cont. mist on sea
27	0	3cu	0	1.0	2ne	2n	1n	193.0	„	
28	10cu	2cicu	0	4.0	2s	2n	2e	314.5	„	con. light. at night
29	10nicu	10ni	10ni	10.0	3e	2w	3sw	279.0	mod.	
30	9cu	6cu	7ni	7.3	1s	1s	2s	213.7	„	
31	7cu	10nicu	10ni	9.0	3se	3sw	2sw	317.4	„	
				5.12	2.4	2.5	2.2	294.02		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	8	2	3	4	11	1	2	0	0	31
14:30	12	2	1	0	4	6	4	2	0	31
20:30	9	5	2	1	6	6	2	0	0	31
Totals	29	9	6	5	21	13	8	2	0	93

Number of days with rain 9, fog 0, thunderstorm 0, gales 1.

50 yr. average number of days with rain during month 3.5